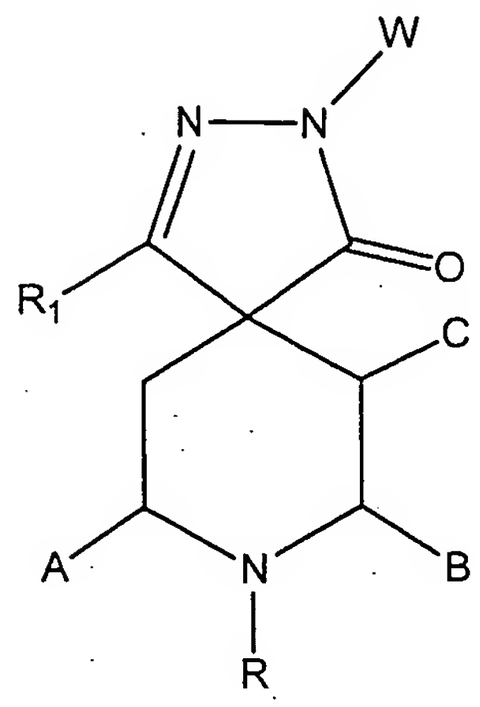
What is claimed is:

1. A process for preparing a compound of the formula (IV):



(IV)

wherein

W is hydrogen, C_{1-10} alkyl, C_{3-12} cycloalkyl, C_{3-12} cycloalkylC_{1-4}alkyl-, C_{1-10} alkoxy, C_{3-12} cycloalkoxy-, C_{1-10} alkyl substituted with 1-3 halogen, C_{3-12} cycloalkyl substituted with 1-3 halogen, C_{3-12} cycloalkylC_{1-4}alkyl- substituted with 1-3 halogen, C_{1-10} alkoxy substituted with 1-3 halogen, C_{3-12} cycloalkoxy- substituted with 1-3 halogen, $-COOV_1$, $-C_{1-4}COOV_1$, $-CH_2OH$, $-SO_2N(V_1)_2$, hydroxyC_{1-10}alkyl-, hydroxyC_{3-10}cycloalkyl-, cyanoC_{1-10}alkyl-, cyanoC_{3-10}cycloalkyl-, $-CON(V_1)_2$, $NH_2SO_2C_{1-4}$alkyl-, NH_2SOC_{1-4}alkyl-, sulfonylaminoC_{1-10}alkyl-, diaminoalkyl-, -sulfonylC_{1-4}alkyl, a 6-membered heterocyclic ring, a 6-membered heteroaromatic ring, a 6-membered heterocyclicC_{1-4}alkyl-, a 6-membered heteroaromaticC_{1-4}alkyl-, a 6-membered aromatic ring, a 6-membered aromaticC_{1-4} alkyl-, a 5-membered heterocyclic ring optionally substituted with an oxo or thio, a 5-membered heteroaromatic ring, a 5-membered heterocyclicC_{1-4}alkyl- optionally substituted with an oxo or thio, a 5-membered heteroaromaticC_{1-4}alkyl-, $-C_{1-5}(=O)W_1$, $-C_{1-5}(=NH)W_1$, $-C_{1-5}NHC(=O)W_1$, $-C_{1-5}NHS(=O)_2W_1$, $-C_{1-5}NHS(=O)W_1$, wherein W_1 is hydrogen, C_{1-10} alkyl, C_{3-12} cycloalkyl,

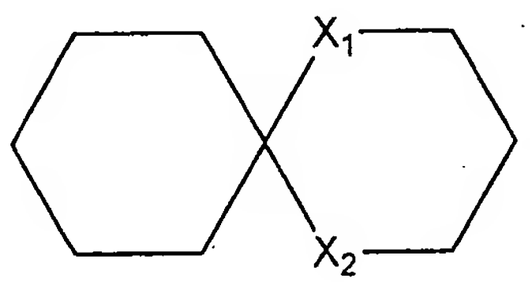
C_{1-10} alkoxy, C_{3-12} cycloalkoxy, -CH_2OH, amino, C_{1-4}alkylamino-, diC_{1-4}alkylamino-, or a 5-membered heteroaromatic ring optionally substituted with 1-3 lower alkyl;

wherein each V_1 is independently selected from H, C_{1-6} alkyl, C_{3-6} cycloalkyl, benzyl and phenyl;

A, B and C are independently hydrogen, C_{1-10} alkyl, C_{3-12} cycloalkyl, C_{1-10} alkoxy, C_{3-12} cycloalkoxy, -CH_2OH, -$NHSO_2$, hydroxyC_{1-10}alkyl-, aminocarbonyl-, C_{1-4}alkylaminocarbonyl-, diC_{1-4}alkylaminocarbonyl-, acylamino-, acylaminoalkyl-, amide, sulfonylaminoC_{1-10}alkyl-, or A-B can together form a C_{2-6} bridge, or B-C can together form a C_{3-7} bridge, or A-C can together form a C_{1-5} bridge;

R is -Z—R_2; wherein Z is selected from the group consisting of a bond, straight or branched C_{1-6} alkylene, -NH-, -CH_2O-, -CH_2NH-, -$CH_2N(CH_3)$-, -$NHCH_2$-, -CH_2CONH-, -$NHCH_2CO$-, -CH_2CO-, -$COCH_2$-, -CH_2COCH_2-, -$CH(CH_3)$-, -CH=, -O- and -HC=CH-, wherein the carbon and/or nitrogen atoms are unsubstituted or substituted with one or more lower alkyl, hydroxy, halo or alkoxy group;

R_2 is selected from the group consisting of hydrogen, C_{1-10} alkyl, C_{3-12}cycloalkyl, C_{2-10}alkenyl, amino, C_{1-10}alkylamino-, C_{3-12}cycloalkylamino-, -$COOV_1$, -$C_{1-4}COOV_1$, cyano, cyanoC_{1-10}alkyl-, cyanoC_{3-10}cycloalkyl-, NH_2SO_2-, $NH_2SO_2C_{1-4}$alkyl-, NH_2SOC_{1-4}alkyl-, aminocarbonyl-, C_{1-4}alkylaminocarbonyl-, diC_{1-4}alkylaminocarbonyl-, benzyl, C_{3-12} cycloalkenyl-, a monocyclic, bicyclic or tricyclic aryl or heteroaryl ring, a hetero-monocyclic ring, a hetero-bicyclic ring system, and a spiro ring system of the formula (V):



(V)

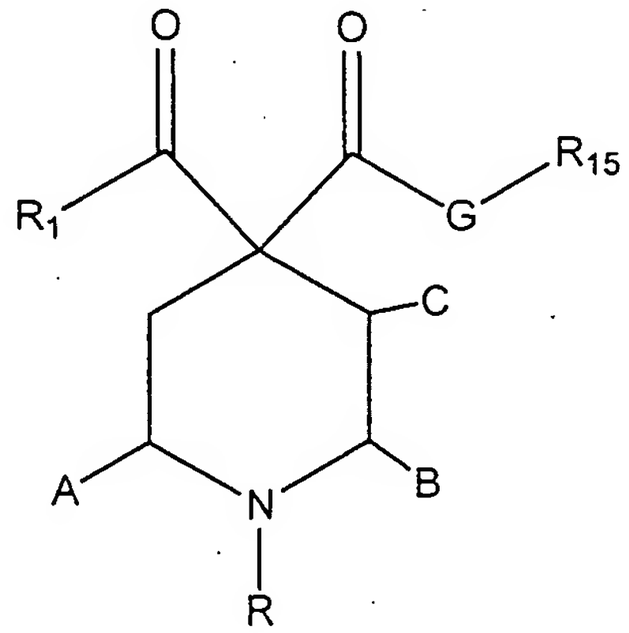
wherein X_1 and X_2 are independently selected from the group consisting of NH, O, S and CH_2; and wherein said alkyl, cycloalkyl, alkenyl, C_{1-10}alkylamino-, C_{3-12}cycloalkylamino-, or benzyl of R_1 is optionally substituted with 1-3 substituents

selected from the group consisting of halogen, hydroxy, C_{1-10} alkyl, C_{1-10} alkoxy, nitro, trifluoromethyl-, cyano, -$COOV_1$, -$C_{1-4}COOV_1$, cyanoC_{1-10}alkyl-, -$C_{1-5}(=O)W_1$, -$C_{1-5}NHS(=O)_2W_1$, -$C_{1-5}NHS(=O)W_1$, a 5-membered heteroaromaticC_{0-4}alkyl-, phenyl, benzyl, benzyloxy, said phenyl, benzyl, and benzyloxy optionally being substituted with 1-3 substituents selected from the group consisting of halogen, C_{1-10} alkyl-, C_{1-10} alkoxy-, and cyano; and wherein said C_{3-12} cycloalkyl, C_{3-12} cycloalkenyl, monocyclic, bicyclic or tricyclic aryl, heteroaryl ring, hetero-monocyclic ring, hetero-bicyclic ring system, or spiro ring system of the formula (V) is optionally substituted with 1-3 substituents selected from the group consisting of halogen, C_{1-10} alkyl, C_{1-10} alkoxy, nitro, trifluoromethyl-, phenyl, benzyl, phenyloxy and benzyloxy, wherein said phenyl, benzyl, phenyloxy or benzyloxy is optionally substituted with 1-3 substituents selected from the group consisting of halogen, C_{1-10} alkyl, C_{1-10} alkoxy, and cyano;

R_1 is selected from the group consisting of C_{1-8} alkyl, 5-8 membered cycloalkyl, 5-8 membered heterocyclic or a 6 membered aromatic or heteroaromatic group; and R_1 being substituted with $(D)_n$, wherein n is an integer from 0 to 3, and wherein D is selected from the group consisting of hydrogen, C_{1-10} alkyl, C_{3-12} cycloalkyl and halogen, said alkyl or cycloalkyl optionally substituted with an oxo, amino, alkylamino or dialkylamino group;

said process comprising:

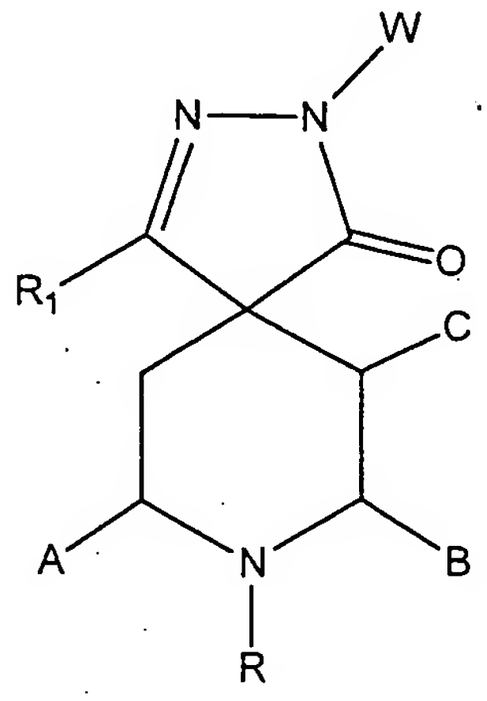
providing a compound of the formula (III)



(III)

wherein A, B, C, R, and R_1 are as disclosed above, G is O or S and R_{15} is selected from straight chained or branched C_{1-10} alkyl, C_{3-12} cycloalkyl, C_{3-12}cycloalkylC_{1-10}alkyl, aryl, heteroaryl, arylC_{1-10}alkyl or heteroarylC_{1-10}alkyl;

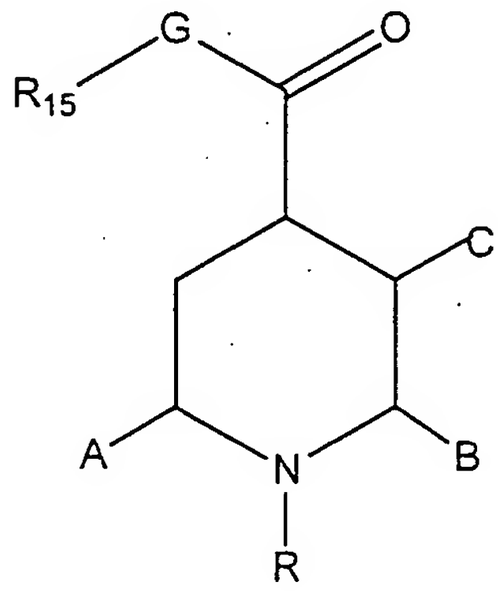
and reacting said compound of formula (III) with hydrazine, hydrates thereof, substituted hydrazine, or hydrates thereof, under conditions effective to form the compound of formula (IV):



(IV)

wherein A, B, C, R, R_1 and W are as disclosed above.

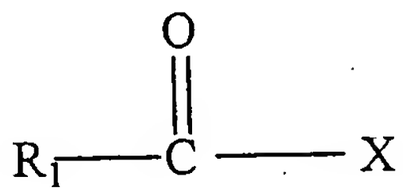
2. The process of claim 1, further comprising forming the compound of formula (III) by providing a compound of the formula (II):



(II)

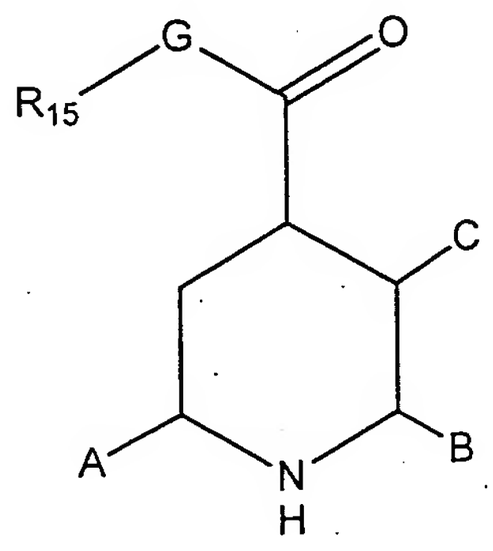
wherein A, B, C, R, G and R_{15} are as disclosed above;

and acylating said compound of formula (II) by reacting said compound of formula (II) with a compound having the formula

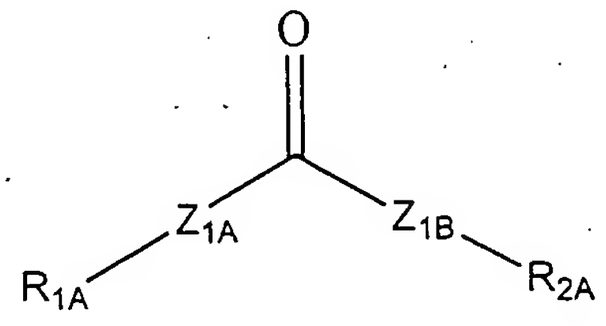


wherein R_1 is as disclosed above, and X is a halogen; under conditions effective to produce a compound of the formula (III).

3. The process of claim 2, further comprising forming the compound of formula (II) by providing a compound of formula (I):

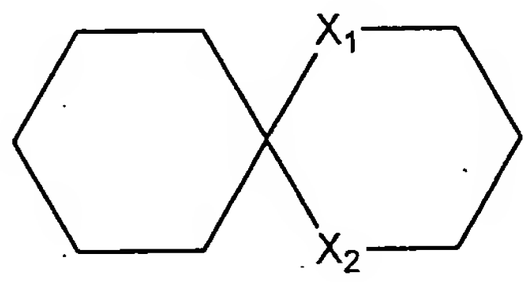


wherein A, B, C, G and R_{15} are as disclosed above; and reacting the compound of formula (I) with a compound having the formula:



wherein Z_{1A} and Z_{1B} are the same or different and are independently selected from the group consisting of a bond, straight or branched C_{1-6} alkylene, -NH-, -CH_2O-, -CH_2NH-, -$CH_2N(CH_3)$-, -$NHCH_2$-, -CH_2CONH-, -$NHCH_2CO$-, -CH_2CO-, -$COCH_2$-, -CH_2COCH_2-, -$CH(CH_3)$-, -CH=, -O- and -HC=CH-, wherein the carbon and/or nitrogen atoms are unsubstituted or substituted with one or more lower alkyl, hydroxy, halo or alkoxy group;

R_{1A} and R_{2A} are the same or different and are independently selected from the group consisting of hydrogen, C_{1-10} alkyl, C_{3-12}cycloalkyl, C_{2-10}alkenyl, amino, C_{1-10}alkylamino-, C_{3-12}cycloalkylamino-, -$COOV_1$, -$C_{1-4}COOV_1$, cyano, cyanoC_{1-10}alkyl-, cyanoC_{3-10}cycloalkyl-, NH_2SO_2-, $NH_2SO_2C_{1-4}$alkyl-, NH_2SOC_{1-4}alkyl-, aminocarbonyl-, C_{1-4}alkylaminocarbonyl-, diC_{1-4}alkylaminocarbonyl-, benzyl, C_{3-12} cycloalkenyl-, a monocyclic, bicyclic or tricyclic aryl or heteroaryl ring, a hetero-monocyclic ring, a hetero-bicyclic ring system, and a spiro ring system of the formula (V):

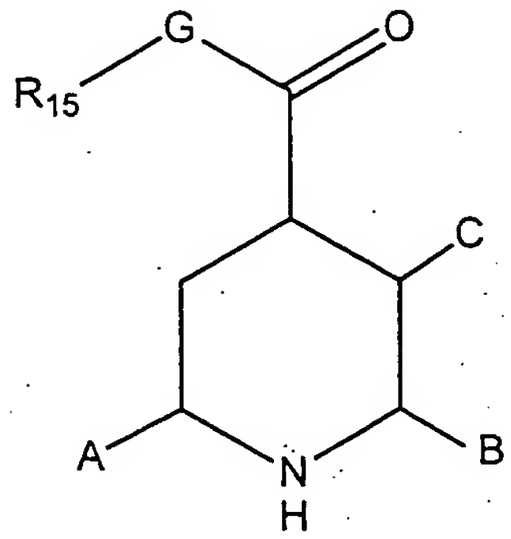


(V)

wherein X_1 and X_2 are as disclosed above;

under conditions effective to produce the compound of formula (II).

4. The process of claim 2, further comprising forming the compound of formula (II) by providing a compound of formula (I):

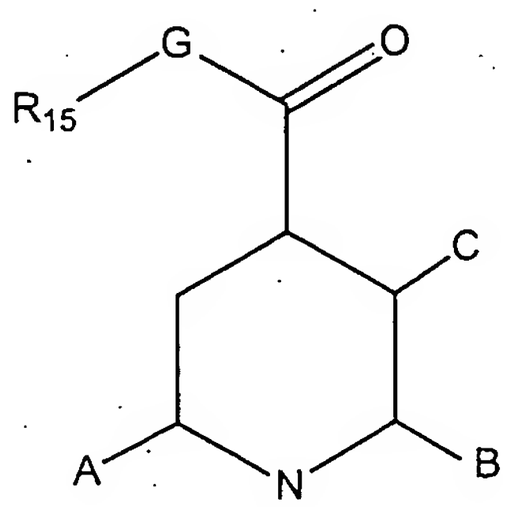


wherein A, B, C, G and R_{15} are as disclosed above; and reacting said compound of formula (I) with a compound having the formula:

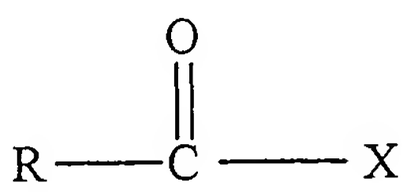
wherein R is as disclosed above and X is a halogen;

under conditions effective to produce a compound of the formula (II).

5. The process of claim 2, further comprising forming the compound of formula (II) by providing a compound of formula (I):



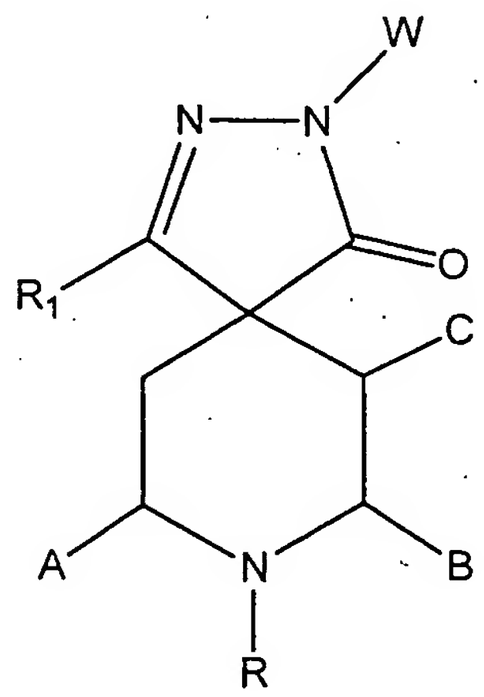
wherein A, B, C, G and R_{15} are as disclosed above; and reacting said compound of formula (I) with a compound having the formula:



wherein R is as disclosed above and X is a halogen;

under conditions effective to produce a compound of the formula (II).

6. A process for preparing a compound of the formula (IV):



(IV)

wherein

W is hydrogen, C_{1-10} alkyl, C_{3-12} cycloalkyl, C_{3-12} cycloalkylC_{1-4}alkyl-, C_{1-10} alkoxy, C_{3-12} cycloalkoxy-, C_{1-10} alkyl substituted with 1-3 halogen, C_{3-12} cycloalkyl substituted with 1-3 halogen, C_{3-12} cycloalkylC_{1-4}alkyl- substituted with 1-3 halogen, C_{1-10} alkoxy substituted with 1-3 halogen, C_{3-12} cycloalkoxy- substituted with 1-3 halogen, $-COOV_1$, $-C_{1-4}COOV_1$, $-CH_2OH$, $-SO_2N(V_1)_2$, hydroxyC_{1-10}alkyl-, hydroxyC_{3-10}cycloalkyl-, cyanoC_{1-10}alkyl-, cyanoC_{3-10}cycloalkyl-, $-CON(V_1)_2$, $NH_2SO_2C_{1-4}$alkyl-, NH_2SOC_{1-4}alkyl-, sulfonylaminoC_{1-10}alkyl-, diaminoalkyl-, -sulfonylC_{1-4}alkyl, a 6-membered heterocyclic ring, a 6-membered heteroaromatic ring, a 6-membered heterocyclicC_{1-4}alkyl-, a 6-membered heteroaromaticC_{1-4}alkyl-, a 6-membered aromatic ring, a 6-membered aromaticC_{1-4} alkyl-, a 5-membered heterocyclic ring optionally substituted with an oxo or thio, a 5-membered heteroaromatic ring, a 5-membered heterocyclicC_{1-4}alkyl- optionally substituted with an oxo or thio, a 5-membered heteroaromaticC_{1-4}alkyl-, $-C_{1-5}(=O)W_1$, $-C_{1-5}(=NH)W_1$, $-C_{1-5}NHC(=O)W_1$, $-C_{1-}$

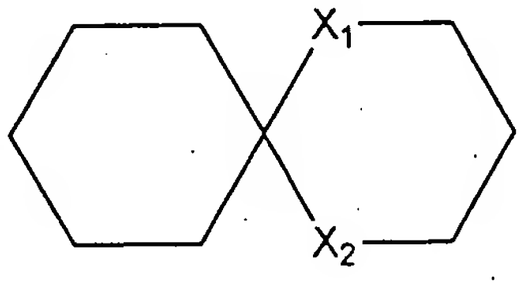
$_5$NHS(=O)$_2$W$_1$, -C$_{1-5}$NHS(=O)W$_1$, wherein W$_1$ is hydrogen, C$_{1-10}$ alkyl, C$_{3-12}$ cycloalkyl, C$_{1-10}$ alkoxy, C$_{3-12}$ cycloalkoxy, -CH$_2$OH, amino, C$_{1-4}$alkylamino-, diC$_{1-4}$alkylamino-, or a 5-membered heteroaromatic ring optionally substituted with 1-3 lower alkyl;

wherein each V$_1$ is independently selected from H, C$_{1-6}$ alkyl, C$_{3-6}$ cycloalkyl, benzyl and phenyl;

A, B and C are independently hydrogen, C$_{1-10}$ alkyl, C$_{3-12}$ cycloalkyl, C$_{1-10}$ alkoxy, C$_{3-12}$ cycloalkoxy, -CH$_2$OH, -NHSO$_2$, hydroxyC$_{1-10}$alkyl-, aminocarbonyl-, C$_{1-4}$alkylaminocarbonyl-, diC$_{1-4}$alkylaminocarbonyl-, acylamino-, acylaminoalkyl-, amide, sulfonylaminoC$_{1-10}$alkyl-, or A-B can together form a C$_{2-6}$ bridge, or B-C can together form a C$_{3-7}$ bridge, or A-C can together form a C$_{1-5}$ bridge;

R is -Z—R$_2$; wherein Z is selected from the group consisting of a bond, straight or branched C$_{1-6}$ alkylene, -NH-, -CH$_2$O-, -CH$_2$NH-, -CH$_2$N(CH$_3$)-, -NHCH$_2$-, -CH$_2$CONH-, -NHCH$_2$CO-, -CH$_2$CO-, -COCH$_2$-, -CH$_2$COCH$_2$-, -CH(CH$_3$)-, -CH=, -O- and -HC=CH-, wherein the carbon and/or nitrogen atoms are unsubstituted or substituted with one or more lower alkyl, hydroxy, halo or alkoxy group; and wherein R is not an unsubstituted benzyl when G is O and R$_{15}$ is ethyl;

R$_2$ is selected from the group consisting of hydrogen, C$_{1-10}$ alkyl, C$_{3-12}$cycloalkyl, C$_{2-10}$alkenyl, amino, C$_{1-10}$alkylamino-, C$_{3-12}$cycloalkylamino-, -COOV$_1$, -C$_{1-4}$COOV$_1$, cyano, cyanoC$_{1-10}$alkyl-, cyanoC$_{3-10}$cycloalkyl-, NH$_2$SO$_2$-, NH$_2$SO$_2$C$_{1-4}$alkyl-, NH$_2$SOC$_{1-4}$alkyl-, aminocarbonyl-, C$_{1-4}$alkylaminocarbonyl-, diC$_{1-4}$alkylaminocarbonyl-, benzyl, C$_{3-12}$ cycloalkenyl-, a monocyclic, bicyclic or tricyclic aryl or heteroaryl ring, a hetero-monocyclic ring, a hetero-bicyclic ring system, and a spiro ring system of the formula (V):



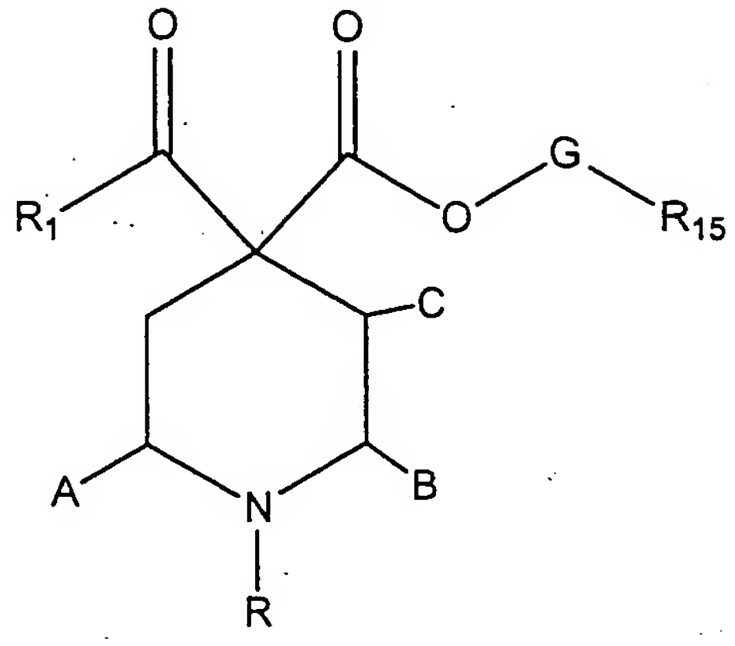
(V)

wherein X_1 and X_2 are independently selected from the group consisting of NH, O, S and CH_2; and wherein said alkyl, cycloalkyl, alkenyl, C_{1-10}alkylamino-, C_{3-12}cycloalkylamino-, or benzyl of R_1 is optionally substituted with 1-3 substituents selected from the group consisting of halogen, hydroxy, C_{1-10} alkyl, C_{1-10} alkoxy, nitro, trifluoromethyl-, cyano, -$COOV_1$, -$C_{1-4}COOV_1$, cyanoC_{1-10}alkyl-, -$C_{1-5}(=O)W_1$, -$C_{1-5}NHS(=O)_2W_1$, -$C_{1-5}NHS(=O)W_1$, a 5-membered heteroaromaticC_{0-4}alkyl-, phenyl, benzyl, benzyloxy, said phenyl, benzyl, and benzyloxy optionally being substituted with 1-3 substituents selected from the group consisting of halogen, C_{1-10} alkyl-, C_{1-10} alkoxy-, and cyano; and wherein said C_{3-12} cycloalkyl, C_{3-12} cycloalkenyl, monocyclic, bicyclic or tricyclic aryl, heteroaryl ring, hetero-monocyclic ring, hetero-bicyclic ring system, or spiro ring system of the formula (V) is optionally substituted with 1-3 substituents selected from the group consisting of halogen, C_{1-10} alkyl, C_{1-10} alkoxy, nitro, trifluoromethyl-, phenyl, benzyl, phenyloxy and benzyloxy, wherein said phenyl, benzyl, phenyloxy or benzyloxy is optionally substituted with 1-3 substituents selected from the group consisting of halogen, C_{1-10} alkyl, C_{1-10} alkoxy, and cyano;

R_1 is selected from the group consisting of C_{1-8} alkyl, 5-8 membered cycloalkyl, 5-8 membered heterocyclic or a 6 membered aromatic or heteroaromatic group; and R_1 being substituted with $(D)_n$, wherein n is an integer from 0 to 3, and wherein D is selected from the group consisting of hydrogen, C_{1-10} alkyl, C_{3-12} cycloalkyl and halogen, said alkyl or cycloalkyl optionally substituted with an oxo, amino, alkylamino or dialkylamino group;

said process comprising:

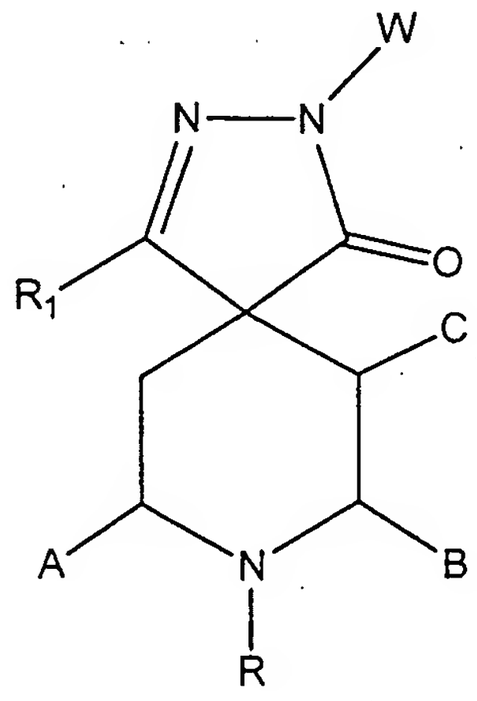
providing a compound of the formula (III)



(III)

wherein A, B, C, R, and R_1 are as disclosed above, G is O or S and R_{15} is selected from straight chained or branched C_{1-10} alkyl, C_{3-12} cycloalkyl, C_{3-12}cycloalkylC_{1-10}alkyl, aryl, heteroaryl, arylC_{1-10}alkyl or heteroarylC_{1-10}alkyl;

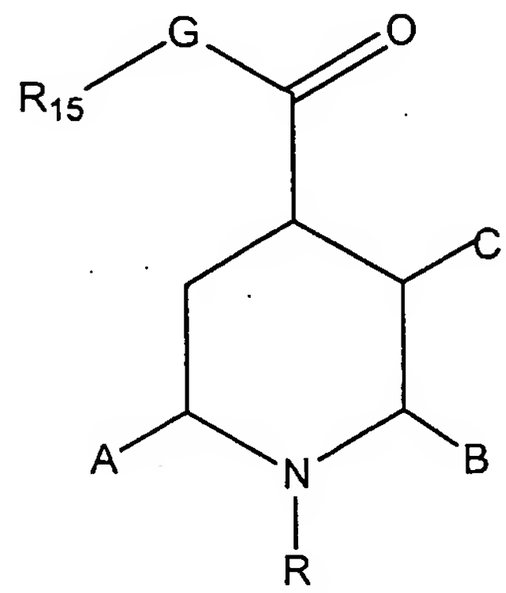
and reacting said compound of formula (III) with hydrazine, hydrates thereof, substituted hydrazine, or hydrates thereof, under conditions effective to form the compound of formula (IV):



(IV)

wherein A, B, C, R, R_1 and W are as disclosed above.

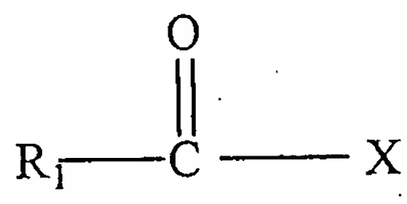
7. The process of claim 6, further comprising forming the compound of formula (III) by providing a compound of the formula (II):



(II)

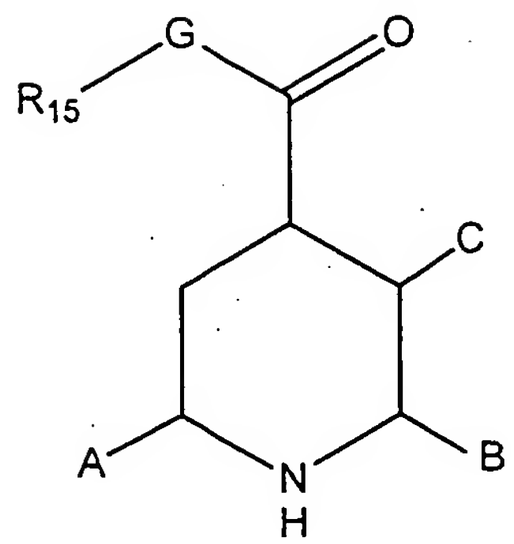
wherein A, B, C, R, G and R_{15} are as disclosed above;

and acylating said compound of formula (II) by reacting said compound of formula (II) with a compound having the formula



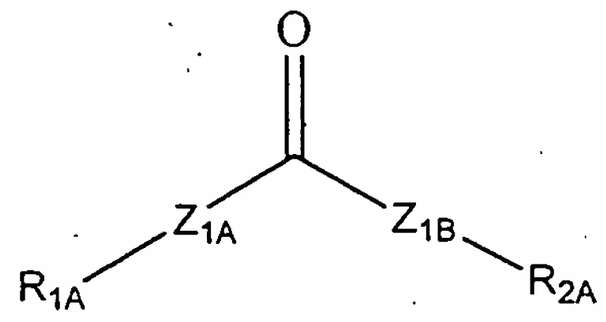
wherein R_1 is as disclosed above, and X is a halogen; under conditions effective to produce a compound of the formula (III).

8. The process of claim 7, further comprising forming the compound of formula (II) by providing a compound of formula (I):



(I)

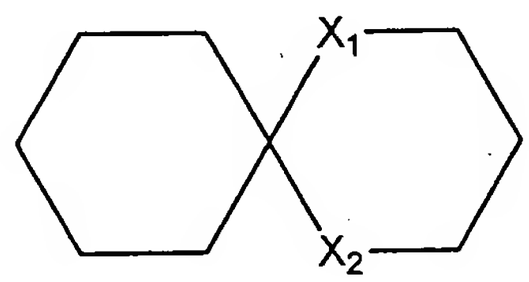
wherein A, B, C, G and R_{15} are as disclosed above; and reacting the compound of formula (I) with a compound having the formula:



wherein Z_{1A} and Z_{1B} are the same or different and are independently selected from the group consisting of a bond, straight or branched C_{1-6} alkylene, -NH-, -CH_2O-, -CH_2NH-, -$CH_2N(CH_3)$-, -$NHCH_2$-, -CH_2CONH-, -$NHCH_2CO$-, -CH_2CO-, -$COCH_2$-, -CH_2COCH_2-, -$CH(CH_3)$-, -CH=, -O- and -HC=CH-, wherein the carbon and/or nitrogen atoms are unsubstituted or substituted with one or more lower alkyl, hydroxy, halo or alkoxy group;

R_{1A} and R_{2A} are the same or different and are independently selected from the group consisting of hydrogen, C_{1-10} alkyl, C_{3-12}cycloalkyl, C_{2-10}alkenyl, amino, C_{1-10}alkylamino-, C_{3-12}cycloalkylamino-, -$COOV_1$, -$C_{1-4}COOV_1$, cyano, cyanoC_{1-10}alkyl-, cyanoC_{3-10}cycloalkyl-, NH_2SO_2-, $NH_2SO_2C_{1-4}$alkyl-, NH_2SOC_{1-4}alkyl-, aminocarbonyl-, C_{1-4}alkylaminocarbonyl-, diC_{1-4}alkylaminocarbonyl-, benzyl, C_{3-12} cycloalkenyl-, a

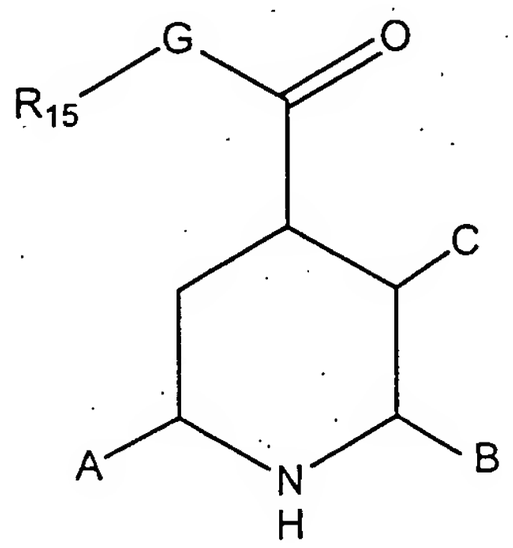
monocyclic, bicyclic or tricyclic aryl or heteroaryl ring, a hetero-monocyclic ring, a hetero-bicyclic ring system, and a spiro ring system of the formula (V):



(V)

wherein X_1 and X_2 are as disclosed above; under conditions effective to produce the compound of formula (II).

9. The process of claim 7, further comprising forming the compound of formula (II) by providing a compound of formula (I):



(I)

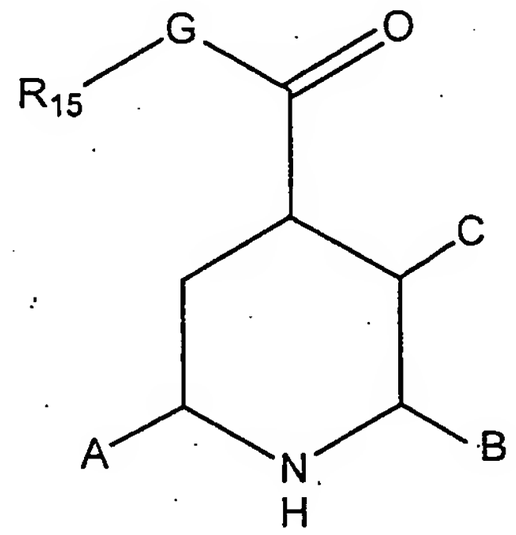
wherein A, B, C, G and R_{15} are as disclosed above; and reacting said compound of formula (I) with a compound having the formula:

R——X

wherein R is as disclosed above and X is a halogen;

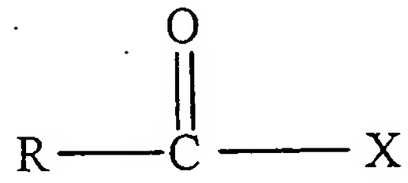
under conditions effective to produce a compound of the formula (II).

10. The process of claim 7, further comprising forming the compound of formula (II) by providing a compound of formula (I):



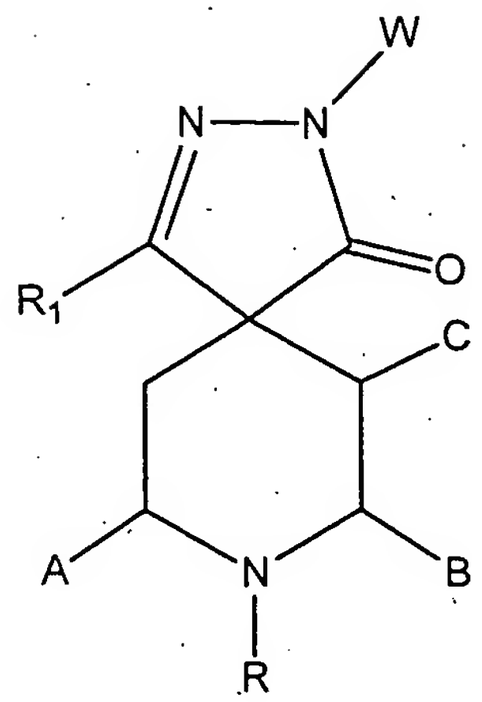
(I)

wherein A, B, C, G and R_{15} are as disclosed above; and reacting said compound of formula (I) with a compound having the formula:



wherein R is as disclosed above and X is a halogen;
under conditions effective to produce a compound of the formula (II).

11. A process for preparing a compound of the formula (IV):



(IV)

wherein

W is hydrogen, C_{1-10} alkyl, C_{3-12} cycloalkyl, C_{3-12} cycloalkylC_{1-4}alkyl-, C_{1-10} alkoxy, C_{3-12} cycloalkoxy-, C_{1-10} alkyl substituted with 1-3 halogen, C_{3-12} cycloalkyl substituted with 1-3 halogen, C_{3-12} cycloalkylC_{1-4}alkyl- substituted with 1-3 halogen, C_{1-10} alkoxy substituted with 1-3 halogen, C_{3-12} cycloalkoxy- substituted with 1-3 halogen, $-COOV_1$, $-C_{1-4}COOV_1$, $-CH_2OH$, $-SO_2N(V_1)_2$, hydroxyC_{1-10}alkyl-, hydroxyC_{3-10}cycloalkyl-, cyanoC_{1-10}alkyl-, cyanoC_{3-10}cycloalkyl-, $-CON(V_1)_2$, $NH_2SO_2C_{1-4}$alkyl-, NH_2SOC_{1-4}alkyl-, sulfonylaminoC_{1-10}alkyl-, diaminoalkyl-, -sulfonylC_{1-4}alkyl, a 6-membered heterocyclic ring, a 6-membered heteroaromatic ring, a 6-membered heterocyclicC_{1-4}alkyl-, a 6-membered heteroaromaticC_{1-4}alkyl-, a 6-membered aromatic ring, a 6-membered aromaticC_{1-4} alkyl-, a 5-membered heterocyclic ring optionally substituted with an oxo or thio, a 5-membered heteroaromatic ring, a 5-membered heterocyclicC_{1-4}alkyl- optionally substituted with an oxo or thio, a 5-membered heteroaromaticC_{1-4}alkyl-, $-C_{1-5}(=O)W_1$, $-C_{1-5}(=NH)W_1$, $-C_{1-5}NHC(=O)W_1$, $-C_{1-5}NHS(=O)_2W_1$, $-C_{1-5}NHS(=O)W_1$, wherein W_1 is hydrogen, C_{1-10} alkyl, C_{3-12} cycloalkyl, C_{1-10} alkoxy, C_{3-12} cycloalkoxy, $-CH_2OH$, amino, C_{1-4}alkylamino-, diC_{1-4}alkylamino-, or a 5-membered heteroaromatic ring optionally substituted with 1-3 lower alkyl;

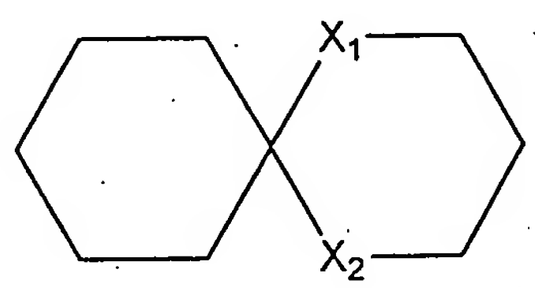
wherein each V_1 is independently selected from H, C_{1-6} alkyl, C_{3-6} cycloalkyl, benzyl and phenyl;

A, B and C are independently hydrogen, C_{1-10} alkyl, C_{3-12} cycloalkyl, C_{1-10} alkoxy, C_{3-12} cycloalkoxy, $-CH_2OH$, $-NHSO_2$, hydroxyC_{1-10}alkyl-, aminocarbonyl-, C_{1-}

$_4$alkylaminocarbonyl-, diC_{1-4}alkylaminocarbonyl-, acylamino-, acylaminoalkyl-, amide, sulfonylaminoC_{1-10}alkyl-, or A-B can together form a C_{2-6} bridge, or B-C can together form a C_{3-7} bridge, or A-C can together form a C_{1-5} bridge;

R is -Z—R_2; wherein Z is selected from the group consisting of a bond, straight or branched C_{1-6} alkylene, -NH-, -CH_2O-, -CH_2NH-, -$CH_2N(CH_3)$-, -$NHCH_2$-, -CH_2CONH-, -$NHCH_2CO$-, -CH_2CO-, -$COCH_2$-, -CH_2COCH_2-, -$CH(CH_3)$-, -CH=, -O- and -HC=CH-, wherein the carbon and/or nitrogen atoms are unsubstituted or substituted with one or more lower alkyl, hydroxy, halo or alkoxy group;

R_2 is selected from the group consisting of hydrogen, C_{1-10} alkyl, C_{3-12}cycloalkyl, C_{2-10}alkenyl, amino, C_{1-10}alkylamino-, C_{3-12}cycloalkylamino-, -$COOV_1$, -$C_{1-4}COOV_1$, cyano, cyanoC_{1-10}alkyl-, cyanoC_{3-10}cycloalkyl-, NH_2SO_2-, $NH_2SO_2C_{1-4}$alkyl-, NH_2SOC_{1-4}alkyl-, aminocarbonyl-, C_{1-4}alkylaminocarbonyl-, diC_{1-4}alkylaminocarbonyl-, benzyl, C_{3-12} cycloalkenyl-, a monocyclic, bicyclic or tricyclic aryl or heteroaryl ring, a hetero-monocyclic ring, a hetero-bicyclic ring system, and a spiro ring system of the formula (V):



(V)

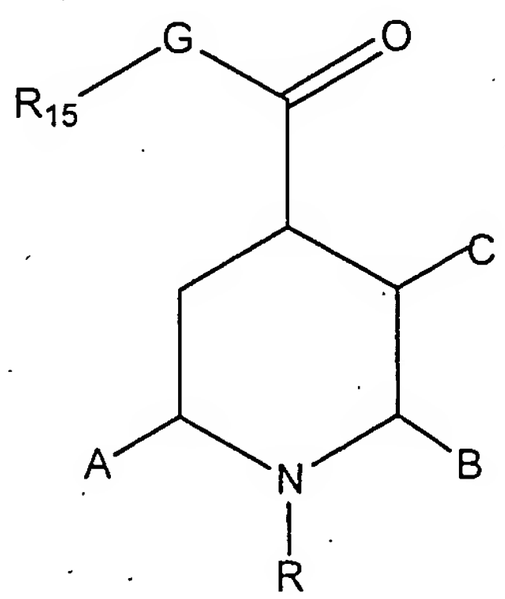
wherein X_1 and X_2 are independently selected from the group consisting of NH, O, S and CH_2; and wherein said alkyl, cycloalkyl, alkenyl, C_{1-10}alkylamino-, C_{3-12}cycloalkylamino-, or benzyl of R_1 is optionally substituted with 1-3 substituents selected from the group consisting of halogen, hydroxy, C_{1-10} alkyl, C_{1-10} alkoxy, nitro, trifluoromethyl-, cyano, -$COOV_1$, -$C_{1-4}COOV_1$, cyanoC_{1-10}alkyl-, -$C_{1-5}(=O)W_1$, -$C_{1-5}NHS(=O)_2W_1$, -$C_{1-5}NHS(=O)W_1$, a 5-membered heteroaromaticC_{0-4}alkyl-, phenyl, benzyl, benzyloxy, said phenyl, benzyl, and benzyloxy optionally being substituted with 1-3 substituents selected from the group consisting of halogen, C_{1-10} alkyl-, C_{1-10} alkoxy-, and cyano; and wherein said C_{3-12} cycloalkyl, C_{3-12} cycloalkenyl, monocyclic, bicyclic or

tricyclic aryl, heteroaryl ring, hetero-monocyclic ring, hetero-bicyclic ring system, or spiro ring system of the formula (V) is optionally substituted with 1-3 substituents selected from the group consisting of halogen, C_{1-10} alkyl, C_{1-10} alkoxy, nitro, trifluoromethyl-, phenyl, benzyl, phenyloxy and benzyloxy, wherein said phenyl, benzyl, phenyloxy or benzyloxy is optionally substituted with 1-3 substituents selected from the group consisting of halogen, C_{1-10} alkyl, C_{1-10} alkoxy, and cyano;

R_1 is selected from the group consisting of C_{1-8} alkyl, 5-8 membered cycloalkyl, 5-8 membered heterocyclic or a 6 membered aromatic or heteroaromatic group; and R_1 being substituted with $(D)_n$, wherein n is an integer from 0 to 3, and wherein D is selected from the group consisting of hydrogen, C_{1-10} alkyl, C_{3-12} cycloalkyl and halogen, said alkyl or cycloalkyl optionally substituted with an oxo, amino, alkylamino or dialkylamino group;

said process comprising:

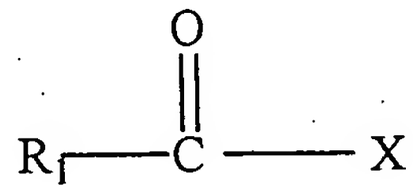
providing a compound of formula (II)



(II)

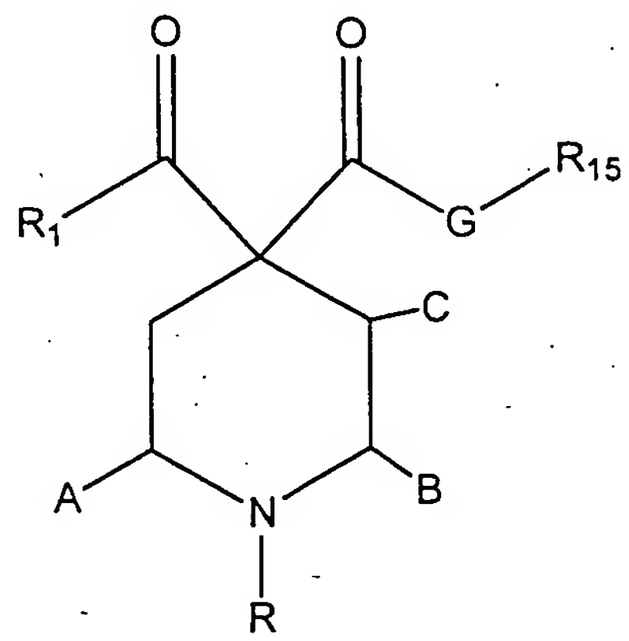
wherein A, B, C, and R are as disclosed above, G is O or S and R_{15} is selected from straight chained or branched C_{1-10} alkyl, C_{3-12} cycloalkyl, C_{3-12}cycloalkylC_{1-10}alkyl, aryl, heteroaryl, arylC_{1-10}alkyl or heteroarylC_{1-10}alkyl;

and acylating said compound of formula (II) by reacting said compound of formula (II) with a compound other than benzoyl chloride when G is O and R_{15} is ethyl having the formula



wherein R_1 is as disclosed above, and X is a halogen;

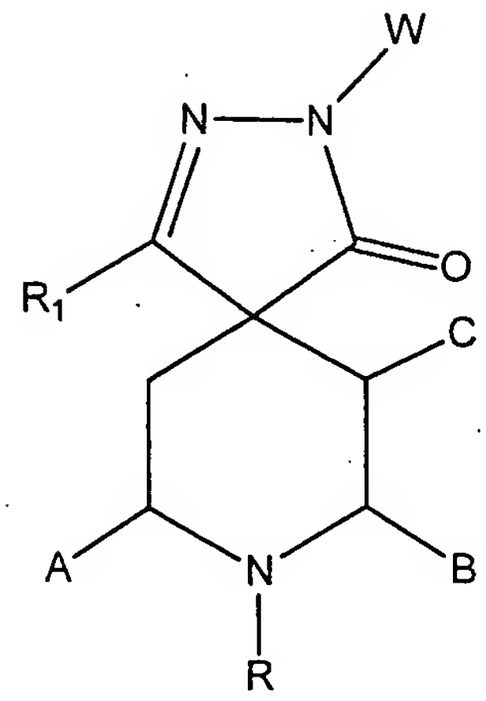
under conditions effective to produce a compound of the formula (III):



(III)

wherein A, B, C, R, R_1, G and R_{15} are as disclosed above;

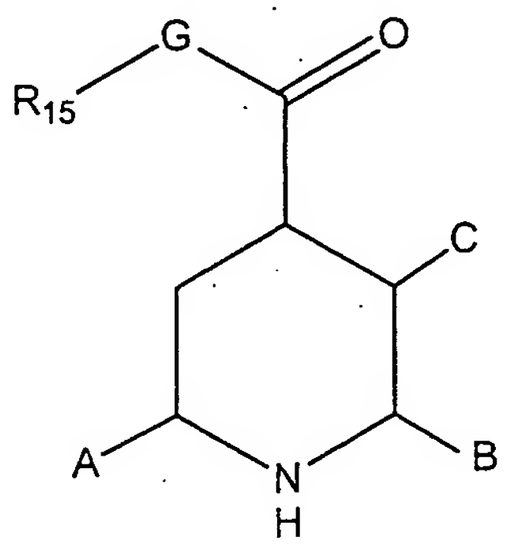
and reacting said compound of formula (III) with hydrazine, hydrates thereof, substituted hydrazine, or hydrates thereof, under conditions effective to form the compound of formula (IV):



(IV)

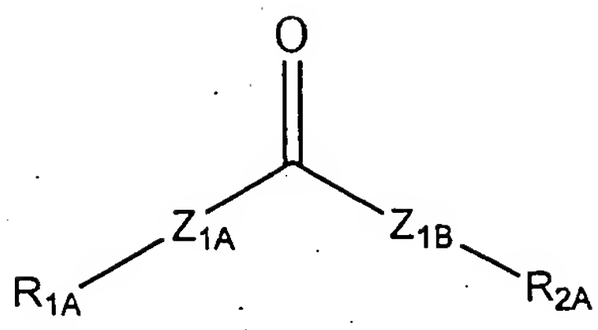
wherein A, B, C, R, R_1 and W are as disclosed above.

12. The process of claim 11, further comprising forming the compound of formula (II) by providing a compound of formula (I):



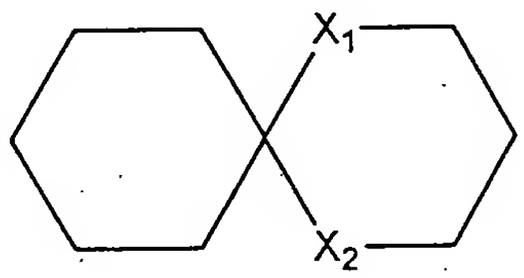
(I)

wherein A, B, C, G and R_{15} are as disclosed above; and reacting the compound of fomula (I) with a compound having the formula:



wherein Z_{1A} and Z_{1B} are the same or different and are independently selected from the group consisting of a bond, straight or branched C_{1-6} alkylene, -NH-, -CH_2O-, -CH_2NH-, -$CH_2N(CH_3)$-, -$NHCH_2$-, -CH_2CONH-, -$NHCH_2CO$-, -CH_2CO-, -$COCH_2$-, -CH_2COCH_2-, -$CH(CH_3)$-, -CH=, -O- and -HC=CH-, wherein the carbon and/or nitrogen atoms are unsubstituted or substituted with one or more lower alkyl, hydroxy, halo or alkoxy group;

R_{1A} and R_{2A} are the same or different and are independently selected from the group consisting of hydrogen, C_{1-10} alkyl, C_{3-12}cycloalkyl, C_{2-10}alkenyl, amino, C_{1-10}alkylamino-, C_{3-12}cycloalkylamino-, -$COOV_1$, -$C_{1-4}COOV_1$, cyano, cyanoC_{1-10}alkyl-, cyanoC_{3-10}cycloalkyl-, NH_2SO_2-, $NH_2SO_2C_{1-4}$alkyl-, NH_2SOC_{1-4}alkyl-, aminocarbonyl-, C_{1-4}alkylaminocarbonyl-, diC_{1-4}alkylaminocarbonyl-, benzyl, C_{3-12} cycloalkenyl-, a monocyclic, bicyclic or tricyclic aryl or heteroaryl ring, a hetero-monocyclic ring, a hetero-bicyclic ring system, and a spiro ring system of the formula (V):

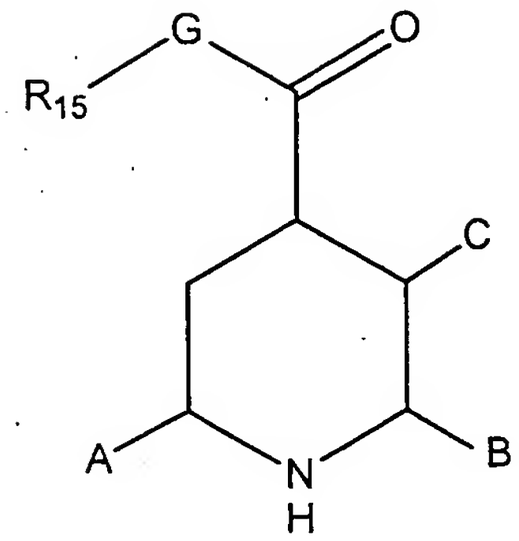


(V)

wherein X_1 and X_2 are as disclosed above;

under conditions effective to produce the compound of formula (II).

13. The process of claim 11, further comprising forming the compound of formula (II) by providing a compound of formula (I):



(I)

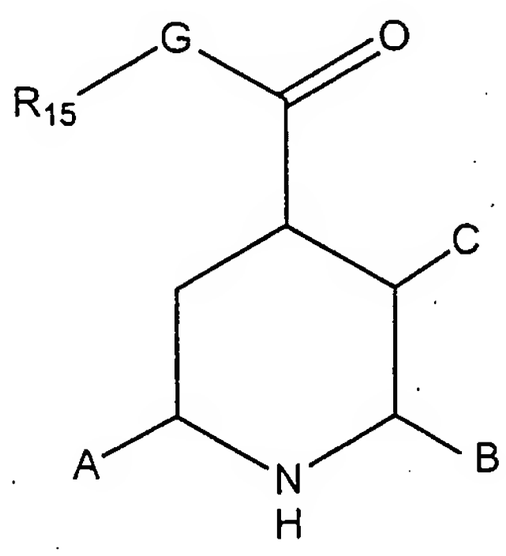
wherein A, B, C, G and R_{15} are as disclosed above; and reacting said compound of formula (I) with a compound having the formula:

R——X

wherein R is as disclosed above and X is a halogen;

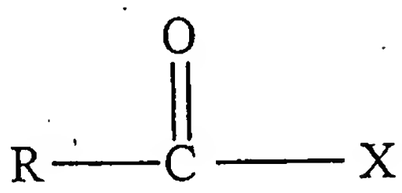
under conditions effective to produce a compound of the formula (II).

14. The process of claim 11, further comprising forming the compound of formula (II) by providing a compound of formula (I):



(I)

wherein A, B, C, G and R_{15} are as disclosed above; and reacting said compound of formula (I) with a compound having the formula:



wherein R is as disclosed above and X is a halogen;

under conditions effective to produce a compound of the formula (II).

15. The process of any of claims 1-14, wherein A is hydrogen.

16. The process of any of claims 1-14, wherein B is hydrogen.

17. The process of any of claims 1-14, wherein C is hydrogen.

18. The process of any of claims 1-14, wherein A and B are hydrogen.

19. The process of any of claims 1-14, wherein A and C are hydrogen.

20. The process of any of claims 1-14, wherein B and C are hydrogen.

21. The process of any of claims 1-14, wherein A, B and C are hydrogen.

22. The process of any of claims 1-14, wherein A and B are hydrogen and C is selected from the group consisting of C_{1-4} alkyl and hydroxyC_{1-4}alkyl.

23. The process of any of claims 1-14, wherein A and C are hydrogen and B is selected from the group consisting of C_{1-4} alkyl and hydroxyC_{1-4}alkyl.

24. The process of any of claims 1-14, wherein B and C are hydrogen and A is selected from the group consisting of C_{1-4} alkyl and hydroxyC_{1-4}alkyl.